OHW Development in Africa

The experience of One Health Central and Eastern Africa (OHCEA)

SEAOHUN 2018 International Conference *"One Health Academic Challenges: Preparing today's workforce to combat tomorrow's infectious diseases"*
Hanoi Medical University, Vietnam

12th to 15th Nov. 2018

Championing One Health

Irene Naigaga, OHCEA Regional Program Manager; Agne Yawe, Head Grants and Resource Mobilization / Partnerships; and Japhet Killewo, Focal Person - Muhimbili University of   Health and Allied Sciences

USAID FROM THE AMERICAN PEOPLE

OHCEA Championing One Health

MAKERERE UNIVERSITY

UNIVERSITY OF MINNESOTA

Tufts UNIVERSITY

Presentation Overview

1. About OHCEA Network
2. Approach to Workforce Development
3. Network Achievements
4. Challenges and Opportunities
5. A case of OHCEA – Tanzania

About OHCEA Network

UNIVERSITIES

1. University of Montagnes
2. University of Buea
3. University of Kinshasa
4. University of Lubumbashi
5. Jimma University
6. University of Addis Ababa
7. Mekelle University
8. University of Nairobi
9. Moi University
10. University of Rwanda
11. Univ. of Global Health Equity
12. Univ. of Cheikh Anta Diop
13. Muhimbili University of Health & Allied Sciences
14. Sokoine Univ. of Agriculture
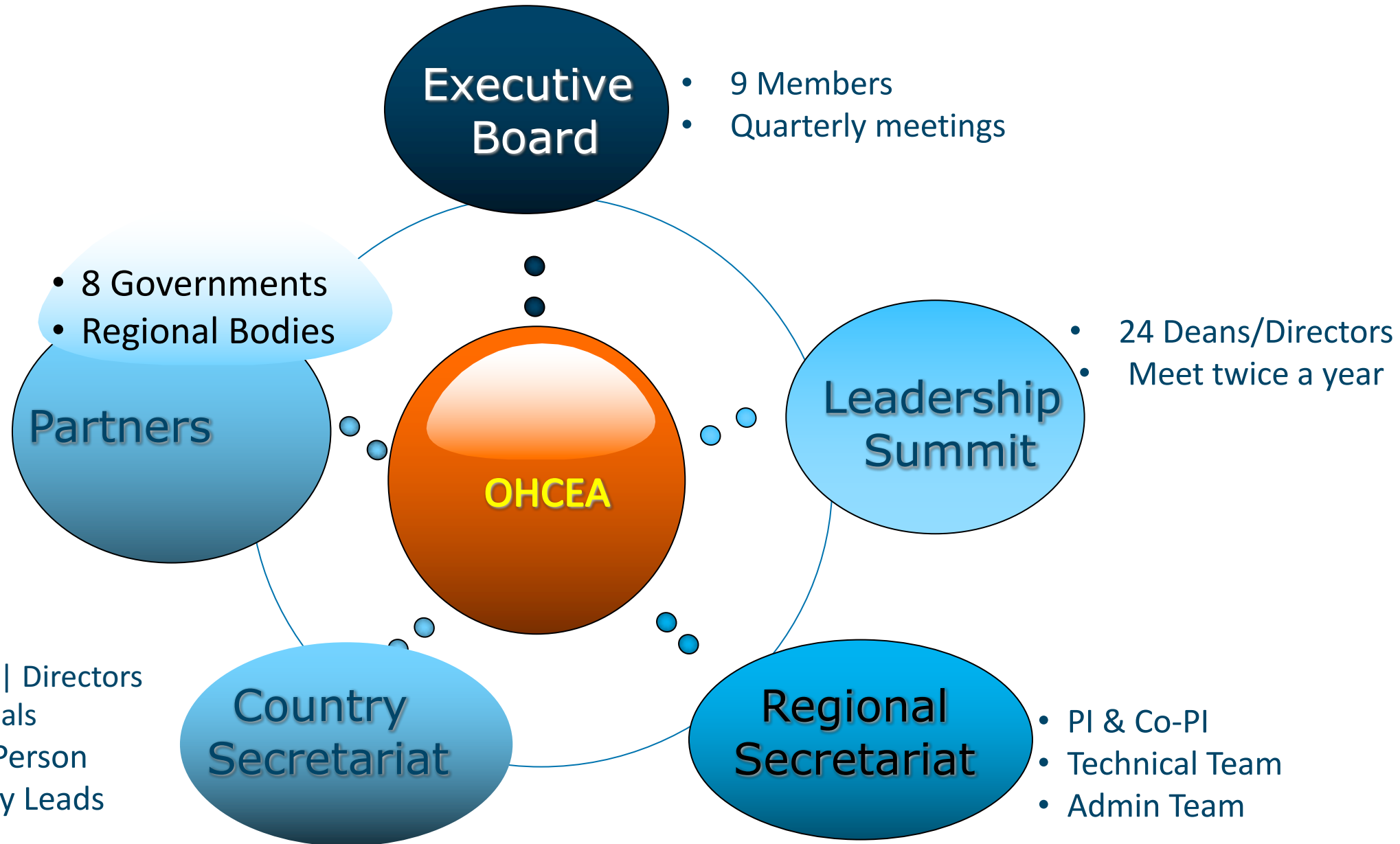15. Mbarara University
16. Makerere University

Current Member Countries

Senegal *
Cameroon *
Ethiopia *
Kenya *
Uganda *
Rwanda *
Tanzania *
DRC *
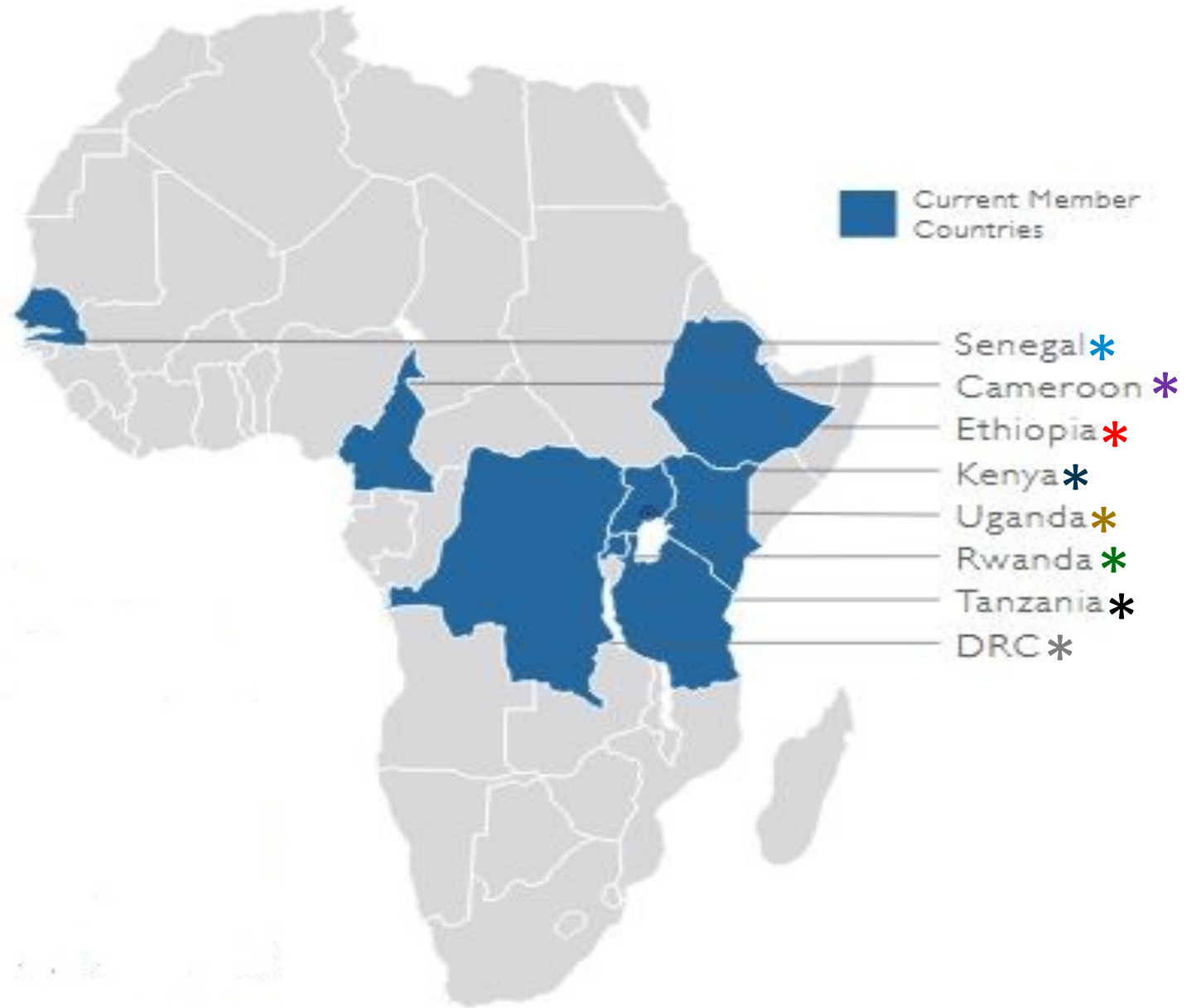
Team Support

DEV'T PARTNERS
- USAID
- SANDIA/DTRA
- IDRC

TECH PARTNERS
- UMN
- Tufts
- Tulane Uni.
- WHO
- CDC
- FAO
- EPT 2

Executive Board
- 9 Members
- Quarterly meetings

Partners
- 8 Governments
- Regional Bodies

OHCEA

Leadership Summit
- 24 Deans/Directors
- Meet twice a year

Country Secretariat
- Deans | Directors Principals
- Focal Person
- Activity Leads
- Admin

Regional Secretariat
- PI & Co-PI
- Technical Team
- Admin Team

OHCEA Strategic Framework 2019-2024 (Draft)

Vision: **A Global one health leader championing sustainable health for humans, animals & environment**

Mission: To drive transformational change for continuous improvement of health and well-being of *humans, animals, and environment through OH principles and approach* to research, training and community service

Pillar 1:
EDUCATION AND CAPACITY BUILDING

Pillar 2:
RESEARCH, INNOVATIONS AND COMMUNITY SERVICE

Pillar 3:
RESOURCE MOBILISATION & PARTNERSHIPS

Pillar 4:
ORGANISATIONAL & NETWORK STRENGTHENING

OHCEA's APPROACH: ONE HEALTH IS AN APPROACH AND NOT ANOTHER DISCIPLINE

Approach to Workforce Development

What is a One Health Workforce?

A workforce that has:

1) The **technical competencies** needed to support national governments to achieve international standards (JEE, IHR and PIE/PVS) and

2) The essential **cross-sectoral competencies** needed to prevent, detect and respond to complex health threats efficiently and effectively.

3) Shriving in an **enabling environment**

One Health Worker

A One Health worker needs technical skills, multi-sectoral skills and an enabling environment

TECHNICAL COMPETENCE	MULTI-SECTORAL COMPETENCE	ENABLING ENVIRONMENT
• Public Health • Veterinary • Nursing • Medical • Environment • Wildlife • Community Health • Others	• Management • Leadership • Communication • Collaboration & Partnership • Culture & Beliefs • Values & Ethics • Gender • Systems Thinking	Mutually agreed upon goals Appropriate roles & responsibilities Collaborative Resources Shared - MoUs, SoPs, Data Management, Protocols

OHCEA Implementation Strategy

Government Engagement

Institutional Strengthening

Training and Education

Improved Gov't Systems

Government
- Evidence based assessment
- Workforce planning
- Country driven workforce plans
- Policy communication

Institutional
- Organizational Development(OD) for 24 institutions
- University One Health (OH) Strategy/Policy
- OH Curricula
- Curricula delivery
- Faculty Development

Training
- Pre-service training
- In-service training
- Scholarships
- Student One Health Innovation clubs
- Innovative/flexible degree programs
- OH-PBL Case Studies
- Student Case Competition

Systems
- Field Ready One Health Workforce
- Enabling Environment (supportive policies, resources, tools)
- Healthier, Safe and Engaged Communities

One Health Training

Classroom

- Student exposure to OH Principles and Concepts

- Multi-disciplinary teams

Attachment / Placements

- Undergraduate student attachment to OH Demo Sites

- Graduate students placements

- Mentoring

Service

- Outbreak response

- Public Health interventions

- Mentorship

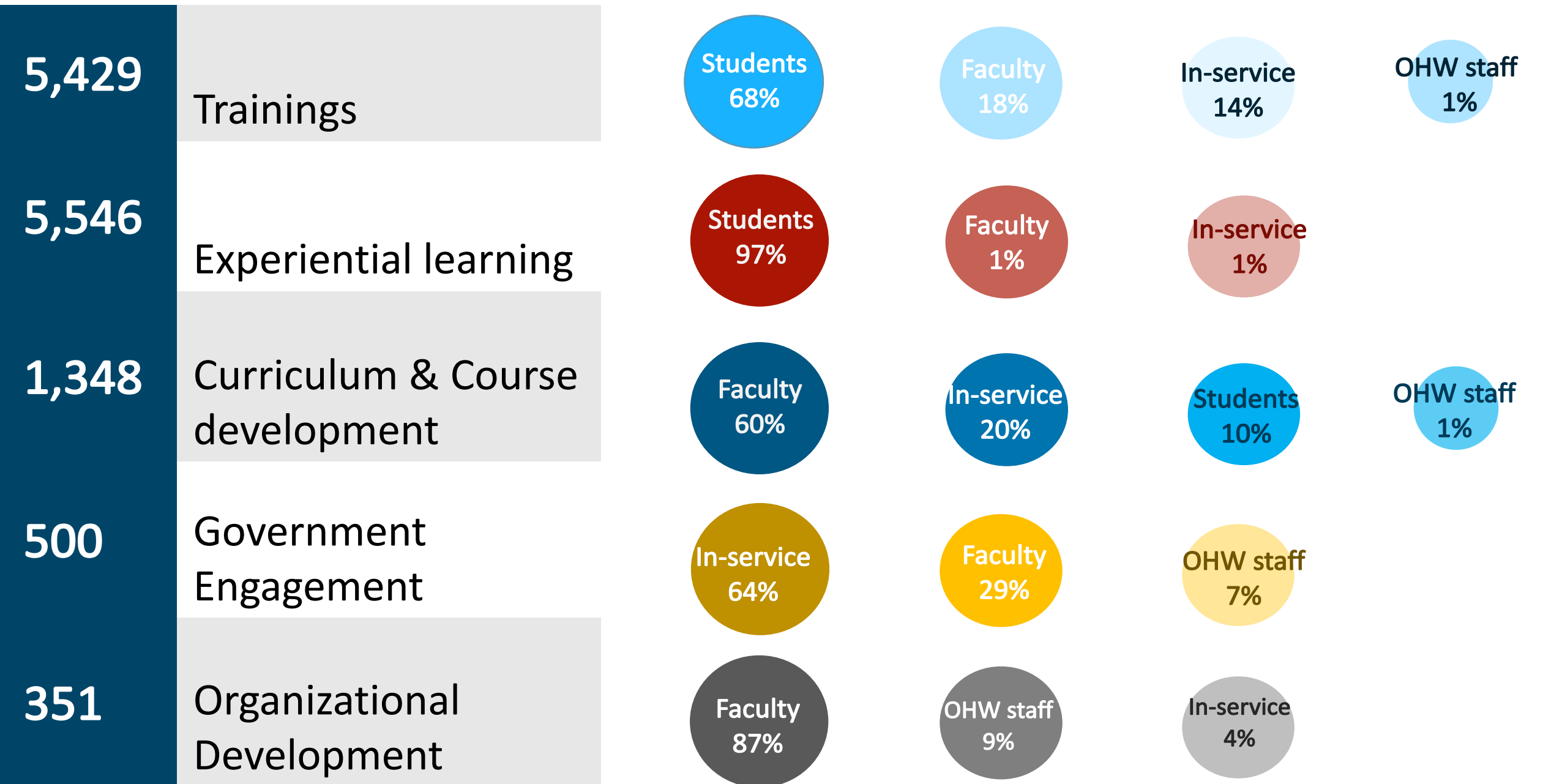| Theoretical	Experiential Learning	OH in Action

Selected Network Achievements

ACTIVITY CATEGORIZATION BY TYPE OF TARGET BENEFICIARIES

5,429	Trainings	Students 68%	Faculty 18%	In-service 14%	OHW staff 1%
5,546	Experiential learning	Students 97%	Faculty 1%	In-service 1%	
1,348	Curriculum & Course development	Faculty 60%	In-service 20%	Students 10%	OHW staff 1%
500	Government Engagement	In-service 64%	Faculty 29%	OHW staff 7%	
351	Organizational Development	Faculty 87%	OHW staff 9%	In-service 4%	

NUMBER OF PARTICIPANTS PER ACTIVITY (5,429)

Activity	Participants
IDM	3,529
Risk Analysis & Management	424
Curriculum design	170
AMR	166
Moniotirng & Evaluation	188
Gender, OH & IDM	182
OH leadership	94
Staff exchange	24
OH competencies	18
Research	18
Problem Based Learning	18
Grants writing	17
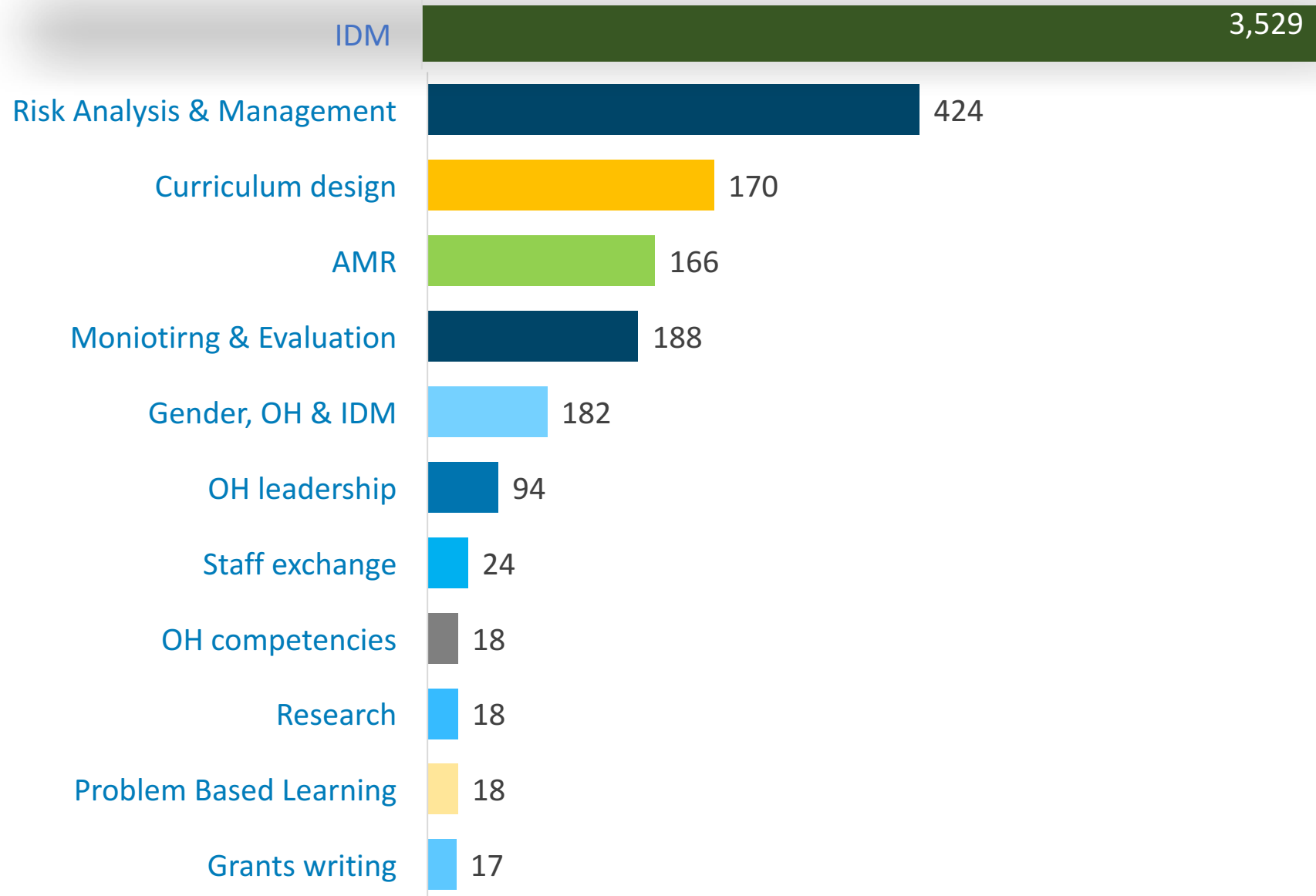
EXPERIENTIAL LEARNING

89

Activities conducted:

36% Females

5,374 Students benefited

64% Males

- ✓ Field attachments
- ✓ Outbreak investigations
- ✓ Community outreaches
- ✓ Case competitions
- ✓ Activities to Mark the International One Health Day
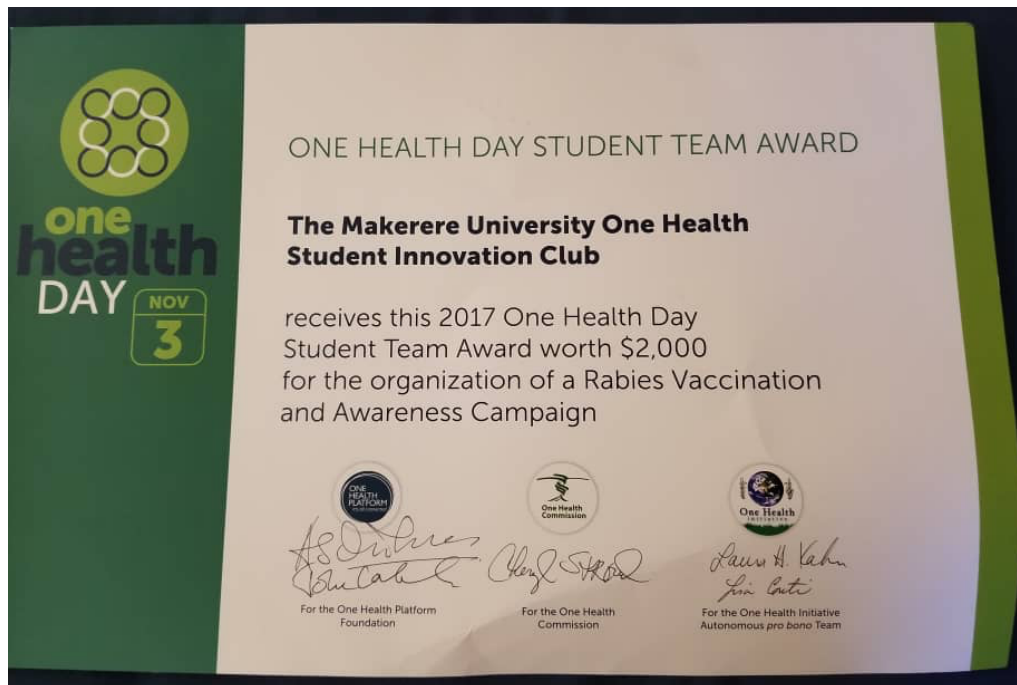
CURRICULUM & COURSE DEVELOPMENT

48

Activities conducted

- ✓ Review of veterinary curricula

- ✓ Adaptation of Standardized Experiential Learning Materials

- ✓ Develop OH Problem Based Learning case studies

- ✓ Integration of OH modules into courses

- ✓ Development of training modules for laboratory

- ✓ Strengthening veterinary master's training in Wildlife Disease Management

- ✓ Developed 16 One Health Modules.

- ✓ Field Experiential Leaning Guide.

Student One Health Innovation Clubs (SOHIC)

- 13 SOHICs in 8 countries
- Awareness campaigns – Rabies vaccination campaign
- 810 dogs and 36 cats were vaccinated
- Won national and International awards

- One Health Infrastructure: OHCEA as a platform bringing together 16 universities (24 institutions)

- Capacity of OH champions built in the institutions through use of activity leads (an average 30 per country leading change in OH training)

- Sustained interest and focus of OH in the institutions and the region

- **Technical Input to Regional One Health processes:**
  - ✓ Member of Africa One Health Congress
  - ✓ Member of Technical Working for AU-IBAR Animal Health Strategy
  - ✓ Partner shaping the EAC One Health Process
  - ✓ Membership to One Health National Platforms

NATIONAL ONE HEALTH PLATFORMS

Network Success Factors

1. Core leadership of visionaries
2. Governance structures
3. Support functions – regional and country secretariats and partners
4. Institutional policies and mechanisms
5. South to South Technical Support
6. Government support
7. Champions to run the vision
8. Conducive environment that allows for innovation at different levels – students, faculty, secretariat
9. Support from USAID – technical and Financial
10. Members' commitment to network's vision & mission

Challenges and Opportunities

Challenges

- High demand to join the network amidst limited resources
- Resource mobilization challenges
- Competing needs and priorities of different stakeholders at institutional, country, network & partner's level
- Donor dependency
- Thin human resource: The need for separation of administrative and finance function at country. Focal Persons not full time
- OHCEA has no home
- Harmonizing program activities with university schedules
- Varying university systems

Opportunities

Opportunities for partnership to:

- Building centers of excellence around emerging key themes, s such as – Infectious Diseases, AMR,

- Strengthen Documentation and Communication

- Strengthen Research

- Sustained Government Engagement

- Strengthen systems – OD, network marketing

- Institutionalization of best practices and proven concepts